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48. The broadband wireless system defined in Claim 45 wherein one of said base stations includes said ATM backplane and a network manager for configuring the operating frequencies, establishing modulation rate and establish a selected forward error correction (FEC) value and sets the transmit and power levels for the users thereof. --

R E M A R K S

Claims 26, 34 and 42 have been amended, and new Claims 45 - 48 have been added.

Respectfully submitted,

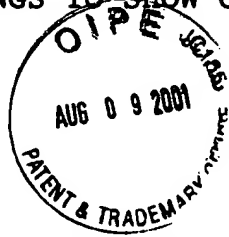
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Attachment: VERSION WITH MARKINGS TO SHOW CHANGES MADE

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Date: August 9, 2001

In the event this paper is deemed not timely filed, the applicant hereby petitions for an appropriate extension of time. The fee for this extension may be charged to Deposit Account No. 26-0090 along with any other additional fees which may be required with respect to this paper.



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IN THE CLAIMS:

Claims 26, 34 and 42 have been amended as follows:

26. (Twice amended) An interface system at a base station in a cell within a cellular wireless network for providing bi-directional wireless communications to Network Interface Units (NIUs) within the cell and for providing a point to point direct inter-cell radio link for communicating with a base station in a neighboring cell comprising; [a] an ATM multi-services switch equipped with a first one or more radio interface card for providing wireless communications between the base station and the NIUs and a second one or more interface card for providing the direct inter-cell radio link.

34. (Twice amended) A base station in a cell of a cellular, wireless communications network for providing wireless, bi-directional communication with network interface units (NIUs) within the cell and for providing a point to point direct inter-cell radio link with a base station in a neighboring cell, the base station having [a] an ATM multi-services switch equipped with a first radio interface card for providing the wireless, bi-directional communication between the base station and the NIUs and a second interface card for providing the direct point to point radio inter-cell link.

42. (Twice amended) A method of providing communications between base stations in a cellular, wireless network having multiple cells, each of the multiple cells having a base station, the method comprising providing [a] an ATM multi-services switch at each of the base stations, each switch being equipped with a radio interface card for providing direct bi-directional communication with other base stations in the network; providing a network manager in association with at least one of the base stations for configuring the radio interface cards, and providing a directional antenna for each multi-services switch to support point to point bi-directional communication between base stations over a direct radio inter-cell link.